

The 2026 Winter International Scientific Symposium of Taiwan Pediatric Brain Tumor Consortium (TPBTC)

2026 臺灣兒童腦瘤聯盟冬季國際學術會議暨第二屆第三次會員大會

會議主題：

1. DNA methylation classification of pediatric brain tumors and clinical applications
2. Surgery for pediatric brain tumors in the molecular era
3. Translational pipeline for pediatric brain tumor therapy
4. Workshop for radiogenomics and bioinformatic platform for CNS germ cell tumor : a multi-institute and multi-discipline integrated study

一、會議日期：2026 年 01 月 17-18 日 (星期六-日)

二、會議時間：08:00 - 18:40 (07:50 報到)，請參考議程。

三、會議方式：實體會議、線上會議雙軌模式

四、會議地點：臺北醫學大學醫學綜合大樓前棟 4 樓誠樸廳

五、主辦單位：臺灣兒童腦瘤聯盟 (TPBTC)

六、協辦單位：臺北醫學大學、臺北醫學大學附設醫院、臺北醫學大學臺北癌症中心、臺北醫學大學癌症轉譯研究中心、臺北醫學大學臺北神經醫學中心、台灣兒童神經外科醫學會、台灣小兒神經醫學會、台灣神經外科醫學會、台灣神經腫瘤學學會

七、贊助單位：臺北醫學大學兒童神經醫學基金專戶、臺北醫學大學附設醫院、臺北醫學大學臺北神經醫學中心、臺北醫學大學臺北癌症中心、臺北醫學大學癌症轉譯研究中心

八、會議對象：聯盟會員、參與兒童腦瘤診療或研究機構的工作人員。

九、費用：免會議費。

十、報名方式：

1. 一律線上報名：<https://forms.gle/SEHXNZPYLoS6Rpcu9>



2. 請務必事先報名，以利會前發送會議通知，除聯盟會員外，不接受現場報名，謝謝。

3. 收到報名資料會回覆 E-mail 通知，如未收到請再來信詢問。

4. 報名截止日期: 2026 年 01 月 12 日。

5. 會議通知預計在 2026/01/13 發送 E-mail 通知，如未收到請再來信詢問。

十一、學分申請中

1. 神經外科、2. 小兒神經科、3. 兒科、4. 神經放射科

秘書處

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議程表

Date	January 17, 2024	
Time	Topic	Speaker
07:50-08:00	報到 Registration	
08:00-08:10	開幕式 Opening Ceremony	
08:10-15:10	Theme 1 DNA methylation classification of pediatric brain tumors and clinical application	
Section 1		
08:10-08:50	Methylation classification for pediatric brain tumors	Dr. Koichi Ichimura (Department of Pathology, Kyorin University, Tokyo, Japan)
08:50-09:20	Fusions vs. Point Mutations: What Drives Diagnosis and Therapy Across Pediatric Glioma Subtypes?	Dr. Jason C.H. Chiang (Department of Pathology, St Jude Children’s Research Hospital, TN, USA)
09:20-09:40	Methylation classification, fusion gene expression, and histopathological correlation in pediatric astrocytic tumors: Analysis in a cohort series in Taiwan	黃曼舒醫師 (臺北醫學大學雙和醫院) Dr. Man-Hsu Huang (Department of Pathology, Taipei Medical University-Shuang Ho Hospital, Taiwan)
09:40-10:00	Fusion gene targeted therapy: Preliminary experience in TMUH	劉彥麟醫師 (臺北醫學大學附設醫院) Dr. Yen-Lin Liu (Pediatric Hematology/Oncology, Department of Pediatrics, TMUH, TMU, Taipei, Taiwan)
10:00-10:10	Coffee Break	
Section 2		
10:10-10:50	Alignment of Morphology, Genetic Alterations, Methylation Class, and Transcriptome for Pediatric Brain Tumors	Dr. Jason C.H. Chiang (Department of Pathology, St Jude Children’s Research Hospital, TN, USA)
10:50-11:10	Making in Molecular Testing for Pediatric CNS Tumors: Three Illustrative Cases	黃馨儀醫師 (臺灣大學醫學院附設醫院) Dr. Shin-Yi Huang (Department of Pathology, NTUH, Taipei, Taiwan)
11:10-11:30	FOXR2-Activated CNS Tumors: From ‘Pathognomonic’ Marker to a Spectrum Across Embryonal and High-Grade Gliomas	Dr. Jason C.H. Chiang (Department of Pathology, St Jude Children’s Research Hospital, TN, USA)
11:30-12:10	The results of whole-genome analyses of pediatric high/low-grade gliomas and germ cell tumors conducted as part of the nationwide whole-genome sequencing implementation project in Japan	Dr. Hirokazu Takami (Division of Brain Tumor Translational Research, National Cancer Center Research Institute, Tokyo, Japan)
12:10-12:30	Molecularly Guided Strategies in Pediatric Brain Tumors - Clinical Implications and Experience from NTUCH	周書緯醫師 (臺灣大學醫學院附設醫院) Dr. Shu-Wei Chou (Pediatric Hematology/Oncology, Department of Pediatrics, NTUH, Taipei, Taiwan)
12:30-12:50	第二屆第三次會員大會 Assembly Meeting	
12:30-13:30	Lunch	
Section 3		
13:30-13:50	Distinct mechanisms of development in central nervous system germ cell tumors.	Dr. Koichi Ichimura (Department of Pathology, Kyorin University, Tokyo, Japan)
13:50-14:30	(Intracranial) Germ cell tumors and methylation: towards identification of clinical relevant biomarkers	Professor Leendert H.J. Looijenga (Princess Máxima Center for Pediatric Oncology and University Medical Center Utrecht, Utrecht, Netherlands)

14:30-14:50	Copy number aberrations and methylation classification of CNS GCTs: A comparison between the cohort of Taiwan (TMUH & TVGH) and Japan	吳國盛博士 (臺北醫學大學) Kuo-Sheng Wu PhD. (Graduate Institute of Clinical Medicine, College of Medicine, TMU)
14:50-15:10	Liquid genophenotyping for pediatric and adult cancers: a feasibility study	呂隆昇醫師 (臺北醫學大學) Dr. Long-Sheng Lu (Radiation oncology, TMUH, TMU, Taipei, Taiwan)
15:10-15:20	Coffee Break	
15:20-18:40	Theme 2 Surgery of pediatric brain tumors in the molecular era	
Section 4		
15:20-15:40	Pediatric brain tumor surgery in Taiwan	楊士弘醫師 (臺灣大學醫學院附設醫院) Dr. Shih-Hung Yang (Pediatric Neurosurgery, Department of Neurosurgery, NTUH, Taipei, Taiwan)
15:40-16:00	Surgical biopsy/resection of CNS GCTs in the molecular era	Dr. Emily, K.Y. Chan (Neurosurgery, Department of Surgery, CUHK, HK)
16:00-16:20	The impact of molecular subgroups on medulloblastoma surgery	周育誠醫師 (臺中榮民總醫院) Dr. Yu-Cheng Chou (Division of Pediatric Neurosurgery, Department of surgery, Neurological Institute, Taichung VGH, Taichung, Taiwan)
16:20-16:40	Molecular stratification and its impact on ependymoma surgery	蘇裕峯醫師 (高雄醫學大學附設醫院) Dr. Yu-Feng Su (TBD) (Department of Neurosurgery, Kaohsiung Medical University Chung-Ho Memorial Hospital, Taiwan)
16:40-17:00	The growth of pediatric brain tumor surgery in Vietnam	Dr. Dang Do Thanh Can (Pediatric Neurosurgery, Children Hospital 2, University of Medicine and Pharmacy, HCMC, Vietnam)
17:00-17:20	A scoping review of surgery and advanced treatment on pediatric brain tumor in Philippines	Dr. Ronnie E Baticulon (Pediatric Neurosurgery, Philippine General Hospital, Manila, Philippines)
17:20-17:40	The impact of histological diagnosis on CNS germ cell tumors	陳信宏醫師 (臺北榮民總醫院) Dr. Hsin-Hung Chen (Division of Pediatric Neurosurgery, Neurological Institute, TVGH, Taipei, Taiwan)
17:40-18:00	The significance of surgical and molecular diagnosis of gliomas in children	莊銘榮醫師 (高雄長庚紀念醫院) Dr. Ming-Jong Chuang (Department of Neurosurgery, Kaohsiung CGMH, CGU, Taiwan)
18:00-18:20	Pediatric brain tumor surgery in Indonesia	Dr. Lutfi Hendriansyah (Pediatric Neurosurgery, Siloam Hospital Lippo Village, Tangerang, Indonesia)
18:20-18:40	Pediatric brain tumor surgery in UNAIR	Dr. Wihasto Suryaningtyeas (Department of Neurosurgery, Universitas Airlangga, Surabaya, Indonesia)
Adjourn		
19:00-21:30	Banquet Really Good Seafood Restaurant	

Date	January 18, 2024	
Time	Topic	Speaker
07:50-08:10	報到 Registration	
08:10-10:10	Theme 3 Translational pipeline for pediatric brain tumor therapy	
Section 5		
08:10-08:30	Single-cell spatial transcriptomic analyses of germ cell tumors	Dr. Hirokazu Takami (Division of Brain Tumor Translational Research, National Cancer Center Research Institute, Tokyo, Japan)
08:30-08:50	Preclinical study of COH29 targeting RRM2 in ATRT	張哲菴教授 (臺北醫學大學) Professor Che-Cheng Chang (Program for Translational Medicine, TMU)
08:50-09:10	Preclinical study of extracellular vesicle delivery of LOXL1-AS1-siRNAs for anti-metastasis treatment for SHH MB	謝嘉玲教授 (中山醫學大學附設醫院) Professor Chia-Ling Hsieh (Clinical Trial Center, Chung Shan Medical University Hospital, CSMU)
09:10-09:30	From development to germ cell tumor patho-biology: clinical impact	Professor Leendert H.J. Looijenga (Princess Máxima Center for Pediatric Oncology and University Medical Center Utrecht, Utrecht, Netherlands)
09:30-09:50	Metabolomic signatures in cancer research	林群欽教授 (中正大學) Professor Eugene C. Lin (Department of Chemistry and Biochemistry, NCCU)
09:50-10:10	Preclinical study of DMGF and BMP7 inhibitor treatment for SHH MB	林于鈴教授 (中央研究院) Professor Yu-Ling Lin (Agricultural Biotechnology Research Center, Academia Sinica)
10:10-10:20	Coffee Break	
10:20-12:30	Theme 4 Workshop of radiogenomics and bioinformatic platform for CNS germ cell tumor: a multi-institute and multi-discipline integrated study	
10:20-10:35	Brief introduction of the domestic and international multicenter collaboration project	黃棣棟醫師 (臺北醫學大學附設醫院) Dr. Tai-Tong Wong (Pediatric Neurosurgery, Department of Neurosurgery, TMUH, TMU, Taipei, Taiwan)
10:35-11:35	Past experience and technical aspects of radiomics/radiogenomics studies on pediatric brain tumors	
10:35-10:50	Radiomics	Dr. Kevin L.C. Hsieh 謝立群醫師 Professor Eugen C. Lin 林群欽教授
10:50-11:05	Digital pathology, molecular pathology, and radiogenomics	Dr. Tai-Tong Wong 黃棣棟醫師 Dr. Jason C.H. Chiang
11:05-11:20	Molecular database management	Kuo-Sheng Wu PhD 吳國盛博士
11:20-11:35	Multimodal based AI platform for automatic analysis and statistics on CNS GCTs studies	Professor Syu-Jyun Peng 彭徐鈞教授 Mr. Jun-Jeng Fen 房俊傑工程師 Kuo-Sheng Wu PhD 吳國盛博士
11:35-12:00	Launching of collaborative research website	Dr. Kevin L.C. Hsieh 謝立群醫師 Dr. Feng-Chi Chang 張豐基醫師 Kuo-Sheng Wu PhD 吳國盛博士 Dr. Shih-Hung Yang 楊士弘醫師 Dr. Tai-Tong Wong 黃棣棟醫師
12:00-12:30	Round Table Discussion	Faculty of research project
Adjourn		